

10007395-3

IN THE TITLE:

Please cancel the heading of the title as follows:

~~TITLE OF THE INVENTION~~

IN THE SPECIFICATION:

Please cancel paragraph 0001 and its heading as follows:

~~FIELD OF THE INVENTION~~

~~[0001] — The present invention relates generally to refilling printing cartridges. More particularly, the present invention is directed to refilling printing cartridges that may have a limited operational lifespan.~~

Please amend paragraph 0002 and its heading as follows:

~~BACKGROUND OF THE INVENTION~~

[0002] Modern printing devices such as printers, copiers, and fax machines use certain materials that are consumed in the operation of the device. Examples of such materials are toner and ink. The device manufacturer will normally provide such materials in a disposable printing cartridge that is discarded when these materials are consumed. Often such cartridges also contain one or more components, such as a thermal inkjet print head, that have a limited lifespan in the operation of the printing device.

Please cancel paragraphs 0008, 0009 and their heading as follows:

~~BRIEF SUMMARY OF THE INVENTION~~

~~[0008] — The present invention provides, among other things, a method of printing cartridge maintenance by determining a remaining useful life of a printing cartridge and refilling at least a portion of the printing cartridge if the remaining useful life is above a predetermined threshold.~~

~~[0009] — Other aspects and advantages of the present invention will become apparent from the following detailed description, taken in conjunction with the accompanying drawings, which illustrate the principles of the invention by way of example.~~

Please amend paragraphs 0011-0021 as follows:

[0011] FIG. 1 illustrates a representation of a printing device according to one aspect of the present invention embodiment.

[0012] FIG. 2 illustrates a representation of a disposable cartridge according to one aspect of the present invention embodiment.

[0013] FIG. 3 illustrates a representation of a refilling station according to one aspect of the present invention embodiment.

[0014] FIG. 4 illustrates a representation of a disposable cartridge according to another aspect of the present invention embodiment.

[0015] FIG. 5 illustrates a printing cartridge according another aspect of the present invention embodiment.

[0016] FIG. 6 illustrates a representation of a printing device according to another aspect of the present invention embodiment.

[0017] FIG. 7 illustrates a flow chart of a refilling sequence according to one aspect of the present invention embodiment.

[0018] FIG. 8 illustrates a flow chart of a refilling sequence according to another aspect of the present invention embodiment.

[0019] FIG. 9 illustrates a flow chart of a refilling sequence according to another aspect of the present invention embodiment.

[0020] FIG. 10 illustrates a flow chart of a refilling sequence according to another aspect of the present invention embodiment.

[0021] FIG. 11 illustrates a flow chart of a refilling sequence according to another aspect of the present invention embodiment.

Please amend paragraph 0023 and its heading as follows:

#### ~~DETAILED DESCRIPTION OF THE INVENTION~~

[0023] ~~Illustrative embodiments of the invention are described below. To simplify the description of the invention it~~ The following specification describes, among other things, a system for refilling print cartridges with toner or ink. It will be appreciated that the ~~use of the terms ink and/or toner may be used interchangeably herein; the~~ appropriate material--ink or toner--being applied to the corresponding technology for marking.

Please amend paragraph 0032 as follows:

[0032] As also discussed above, when the useful operational life of a cartridge such as cartridge 200 expires and a consumer finds a way to refill the cartridge anyway, the performance of the cartridge may be degraded in some way. For example, after a certain amount of use, the jets of an inkjet print head will cease to fire leaving stripes of unprinted space on the media. However, in many cases, when the originally supply of consumable substance is exhausted there is still remaining useful life for the cartridge. A user may take advantage of the remaining useful life by implementing the ~~present invention principles and systems described herein~~.

According to one embodiment ~~of the present invention~~, the cartridge tracks usage information in order to take advantage of remaining cartridge life. Tracked usage information may be read, for example, by a refilling station capable of refilling the cartridge one or more times until usage meets or exceeds a ~~proscribed~~ prescribed level.